

WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:

a plurality of light sources for emitting light with different wavelengths;

image sensing means for sensing <sup>any wavelength, intensity, phase of</sup> an image illuminated by said light sources and outputting <sup>predetermined</sup> [an] image signal; and

light source controlling means for controlling said plurality of light sources so that a [particular] light

source of said plurality of light sources is turned on <sup>before each</sup>

<sup>and in turn of</sup> during a period in which no image sensing operation is performed by said image sensing means. <sup>interval of time on day not intended</sup>

2. An apparatus according to Claim 1, wherein said <sup>of the</sup> light source controlling means controls the light sources <sup>and of each</sup> so that a light source which is turned on first in an image sensing operation performed by said image sensing means is turned on during a period in which no image sensing operation is performed. <sup>particular</sup>

3. An apparatus according to Claim 1, wherein said light source controlling means controls the light sources so that a light source which needs a long time to turn on is turned on during a period in which no image sensing operation is performed.

4. An apparatus according to Claim 1, wherein said light source controlling means controls the light sources so that said plurality of light sources are sequentially turned on during a period in which an image sensing operation is performed by said image sensing means and all light sources are turned on at the same time during a period in which no image sensing operation is performed.

5. An apparatus according to Claim 4, wherein said light source controlling means sequentially turns on said plurality of light sources so that said image sensing means may sense an image in a color mode.

6. An apparatus according to Claim 4, wherein said light source controlling means sequentially turns on said plurality of light sources so that said image sensing means may sense an image in a monochrome mode.

7. An apparatus according to Claim 1, wherein said light source controlling means turns on said plurality of light sources during both a period in which an image sensing operation is performed by said image sensing means and a period in which no image sensing operation is performed.

8. An apparatus according to Claim 7, wherein said light source controlling means turns on said plurality of light sources at the same time so that said image sensing means may sense an image in a monochrome mode.

9. An apparatus according to Claim 1, wherein said light source control means controls the light sources so that a part of said plurality of light sources is turned on during a period in which an image sensing operation is performed by said image sensing means, and the same light source as said part of light sources which is turned on during said period in which an image sensing operation is performed is turned on also during a period in which no image sensing operation is performed.

10. An apparatus according to Claim 9, wherein said light source controlling means turns on a part of said plurality of light sources so that said image sensing means may sense an image in a monochrome mode.

11. An apparatus according to Claim 1, wherein said light sources include a light emitting diode.

12. An apparatus according to Claim 1, wherein said light sources include light sources which emit light with

wavelengths corresponding to red, green, and blue.

13. An apparatus according to Claim 1, wherein said light sources include light sources which emit light with wavelengths corresponding to yellow, cyan, and magenta.

14. A method of sensing an image, comprising the steps of: illuminating an image by a plurality of light sources which emit light with different wavelengths thereby sensing said image; and <sup>turning on</sup> ~~turns on~~ a predetermined light source of said plurality of light sources during a period in which no image sensing operation is performed.

15. A method of sensing an image according to Claim 14, wherein a light source which is turned on first at the beginning of an image sensing operation is turned on during a period in which no image sensing operation is performed.

16. A method of sensing an image according to Claim 14, wherein a light source which needs a long time to turn on is turned on during a period in which no image sensing operation is performed.

17. A method of sensing an image according to Claim

14, wherein said plurality of light sources are sequentially turned on during a period in which an image sensing operation is performed and all light sources are turned on at the same time during a period in which no image sensing operation is performed.

18. A method of sensing an image according to Claim 17, wherein said plurality of light sources are sequentially turned on thereby sensing an image in a color mode.

19. A method of sensing an image according to Claim 17, wherein said plurality of light sources are sequentially turned on thereby sensing an image in a monochrome mode.

20. A method of sensing an image according to Claim 14, wherein said plurality of light sources are turned on during both a period in which an image sensing operation is performed and a period in which no image sensing operation is performed.

21. A method of sensing an image according to Claim 20, wherein said plurality of light sources are turned on at the same time thereby sensing an image in a monochrome

mode.

ck 35 22. A method of sensing an image according to Claim 14, wherein a part of said plurality of light sources is turned on during a period in which an image sensing operation is performed and the same light source as said part of light sources which is turned on during said period in which an image sensing operation is performed is turned on also during a period in which no image sensing operation is performed.

23. A method of sensing an image according to Claim 22, wherein a part of said plurality of light sources is turned on thereby sensing an image in a monochrome mode.

24. A method of sensing an image according to Claim 14, wherein said light sources include a light emitting diode.

25. A method of sensing an image according to Claim 14, wherein said light sources include light sources which emit light with wavelengths corresponding to red, green, and blue.

26. A method of sensing an image according to Claim

14, wherein said light sources include light sources which emit light with wavelengths corresponding to yellow, cyan, and magenta.